

US 60 Corridor Definition Study Pinal County Corridors Definition Study Williams Gateway Corridor Definition Study

Recommendations

Presented by

Arizona Department of Transportation

Transportation Planning Division

State and Regional Planning

October 2005

Outline

- Overview
- Needs Analysis
- Feasibility Analysis
- Recommendations

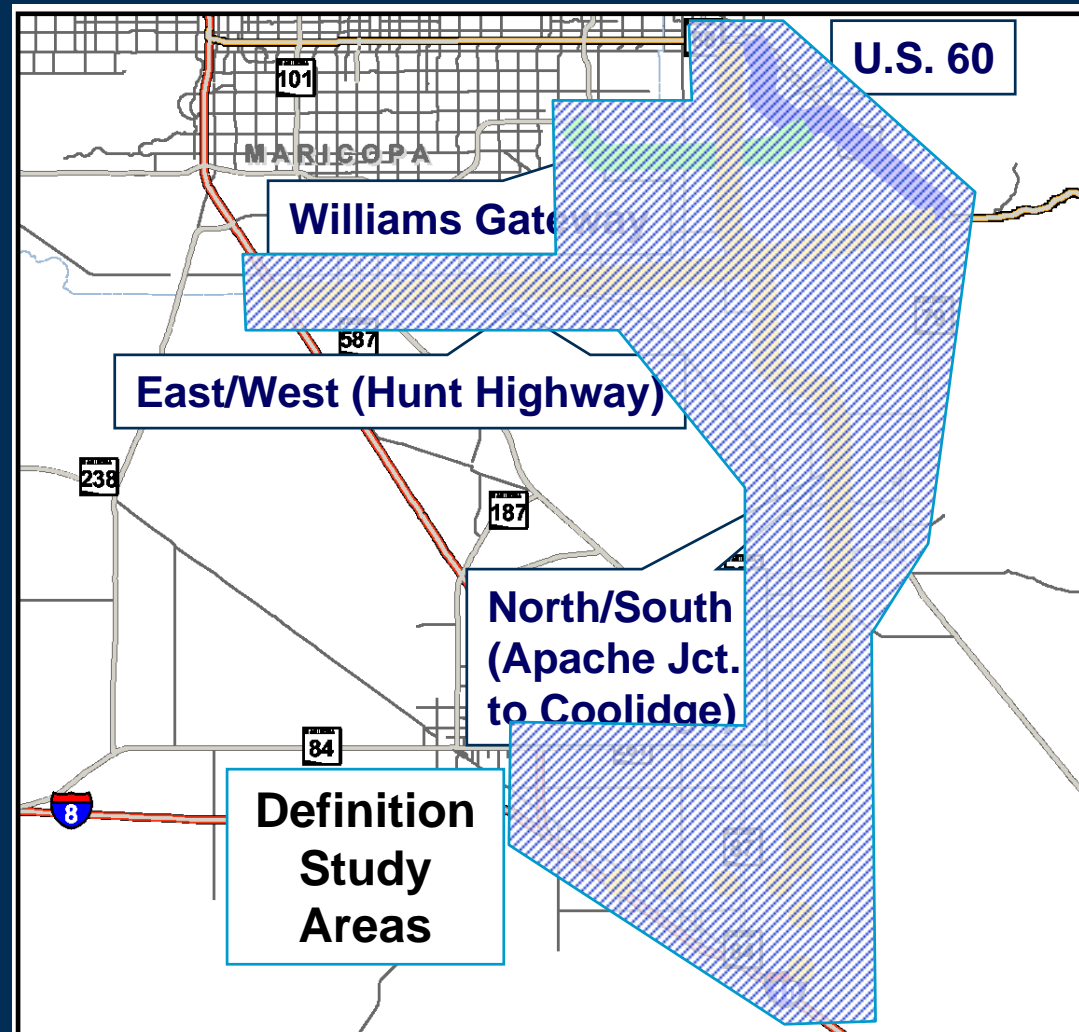
Study Purpose

- **Comply with legislative requirements (Laws, 2004, Chapter 2, Section 26):**
 - **“Further define corridors identified in Southeast Maricopa/Northern Pinal Transportation Study [SEMNPTS] for right-of-way preservation”**
 - **Provide State Transportation Board with information needed to “consider the identified corridors as state highways in the state highway system”**

Study Purpose

- **Define corridors:**
 - Are new corridors needed?
 - Are they feasible for construction?
 - If needed and feasible, what is the general location and type of facilities?
 - If needed and feasible, should they be state facilities?
- **The Corridor Definition Studies are not intended to determine the exact alignment or design for any road**

Corridor Study Areas



Study Process

- Extensive coordination among the three studies
- Input and review by Technical Advisory Committees
- Significant participation of citizens, stakeholders, elected officials
- Inventory of existing conditions
- Forecast of 2030 conditions
- Needs analysis
- Feasibility analysis
- Development of recommendations

Needs Analysis

- **Purpose:**

- Identify need, if any, for new transportation corridors within the study area by 2030

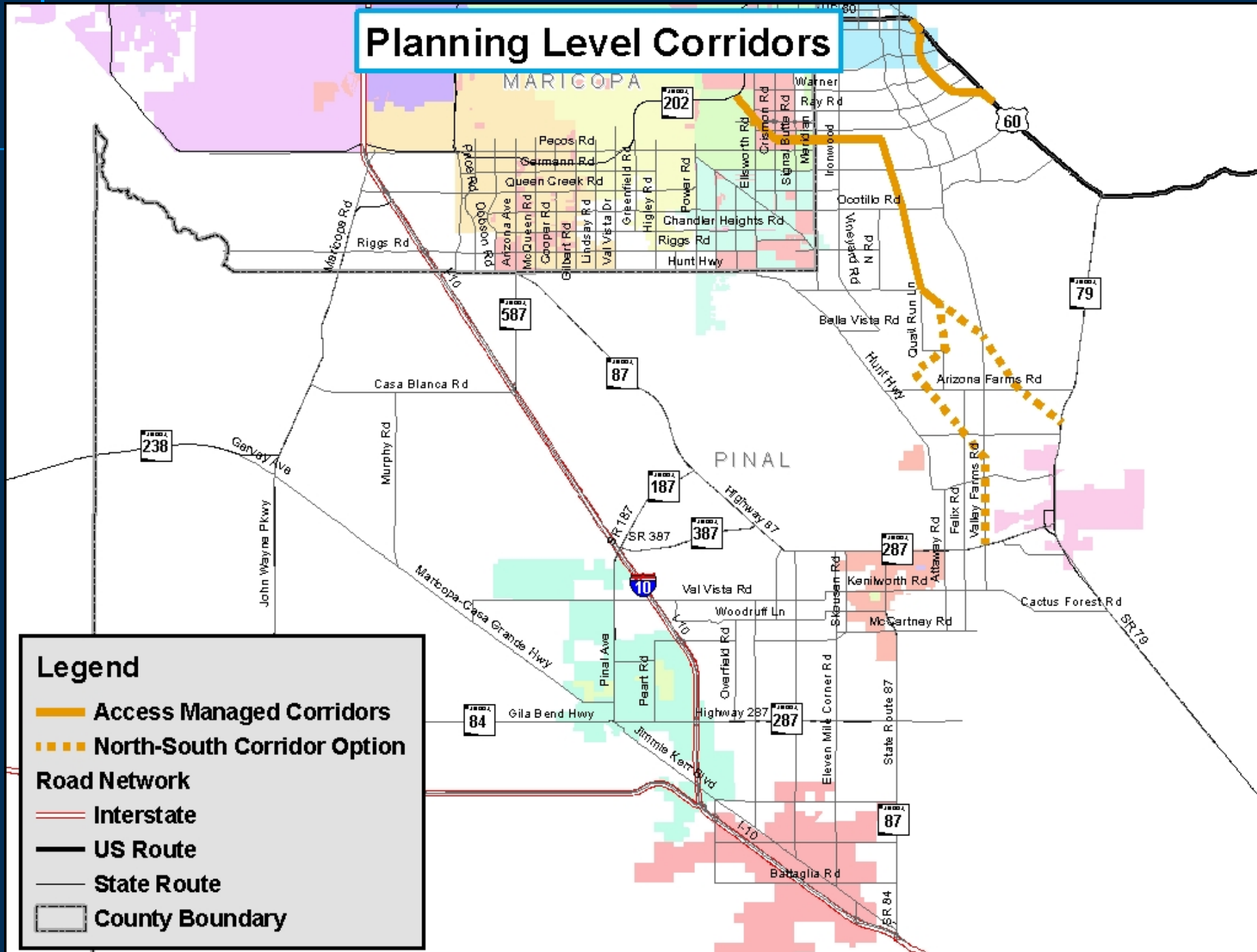
- **Components:**

- Development of planning model
- Forecast of travel demand in 2030
- Evaluation of 20 corridor scenarios

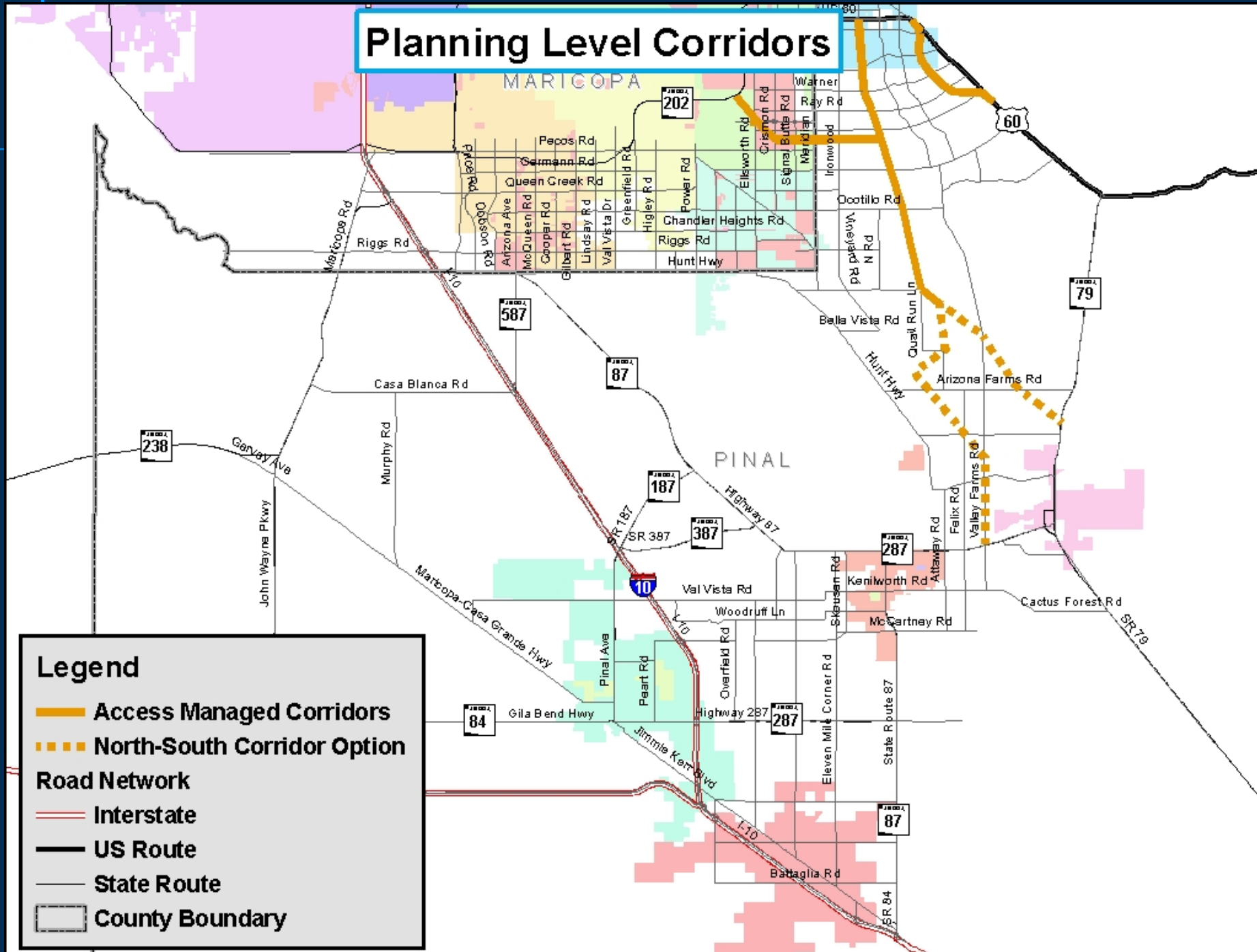
Results of Needs Analysis

- Access-controlled facilities needed in the following general corridors by 2030:
 - Rerouting of US 60
 - Corridor connecting Loop 202 and either SR 79 or SR 287
- Limited access facility needed north-south between US 60 and Williams Gateway corridor
- Existing state highway system targeted for potential widening and access management to ensure successful functioning of the future regional transportation network
- Build-out corridors identified at general planning level throughout study area beyond 2030

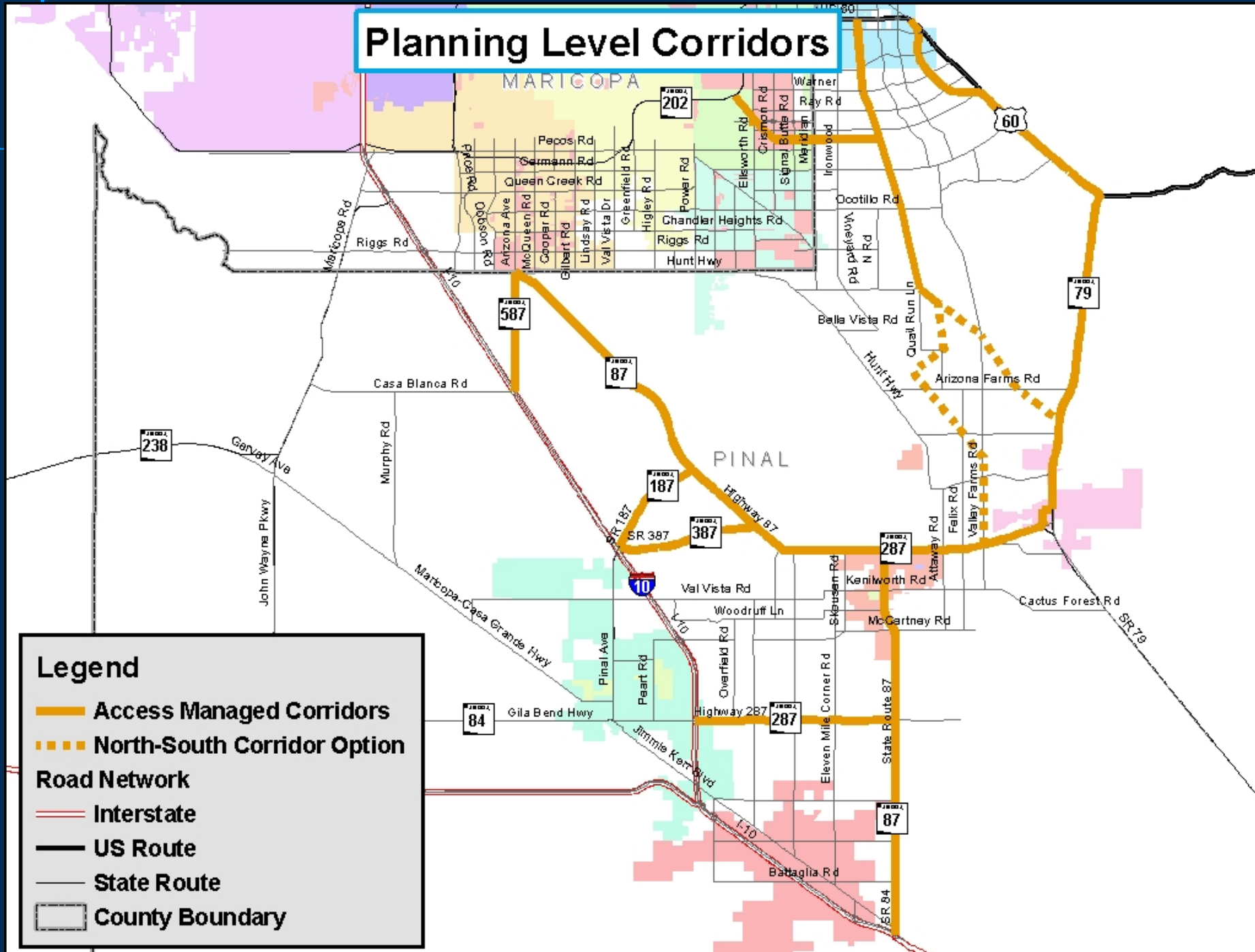
Planning Level Corridors



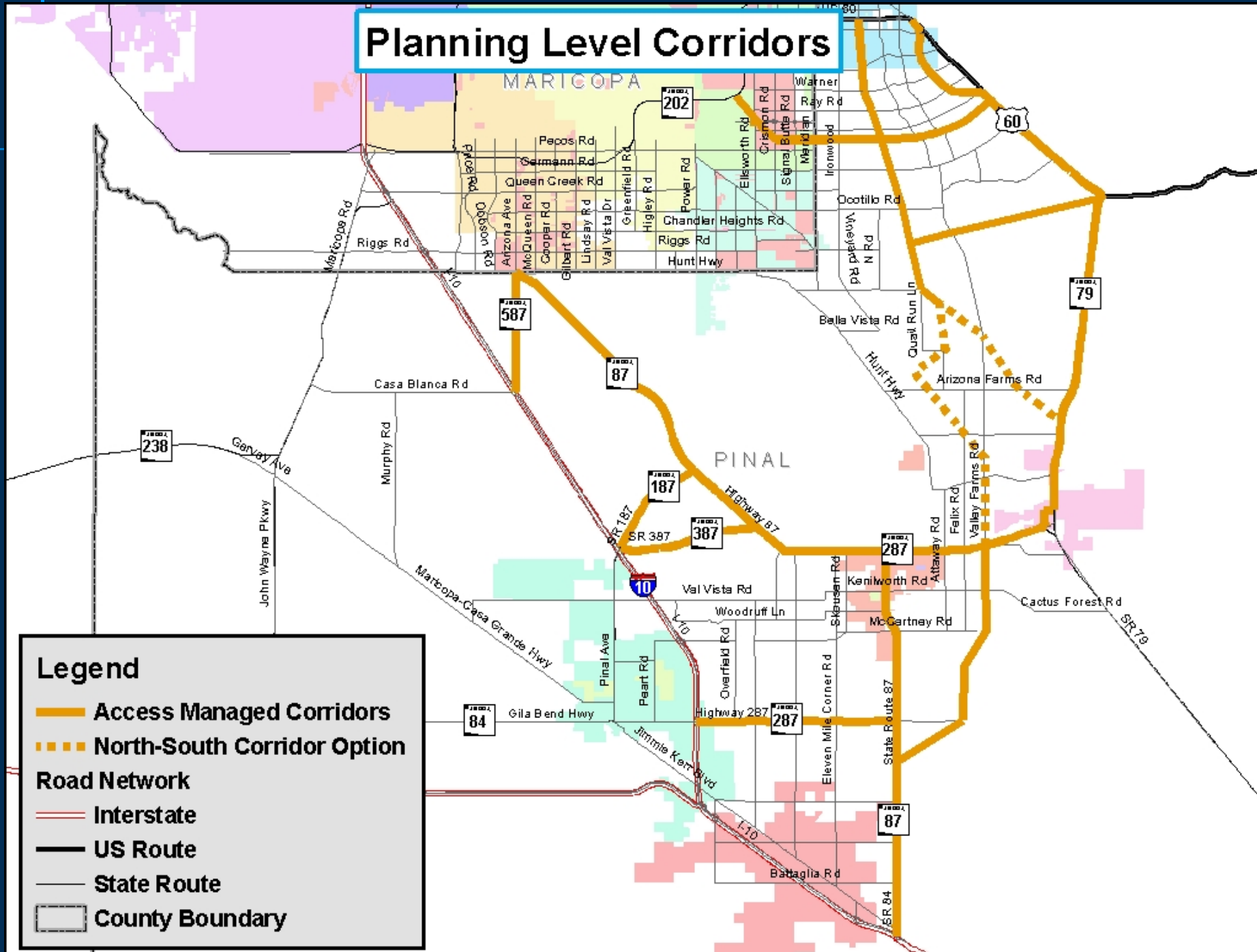
Planning Level Corridors



Planning Level Corridors



Planning Level Corridors



Results of Needs Analysis

North-South Corridor Option

- **Corridor to SR 287**
 - **Maintains continuity with Utility Corridor**
 - **Located adjacent to master planned communities**
 - **Provides additional Gila River bridge**
- **Corridor to SR 79**
 - **Avoids master planned communities**
 - **Takes advantage of opportunities along Magma Dam**

Results of Needs Analysis

- **Additional planning studies required:**
 - **Small Area Transportation Studies (current and future)**
 - **Regional Transportation Profile in Pinal County**
 - **Statewide Access Management Study**
 - **Land use plans**
- **Alignment, type of facility and jurisdictional responsibility will be refined over time based on demand and level of build-out**

Feasibility Analysis

- **Purpose**

- Identify pros and cons of corridor options
- Identify fatal flaws, if any
- Define corridors to the extent possible

- **Components**

- Engineering
- Environmental compliance
- Socioeconomic and land use
- Community concerns
- Cost and right-of-way

Results of Feasibility Analysis

- **No fatal flaws identified within study area**
 - All corridors are constructible
- **Two access controlled corridors defined:**
 - Rerouting of US 60
 - Corridor connecting Loop 202 and either SR 79 or SR 287
- **Limited access corridor defined north-south between US 60 and Williams Gateway corridor**

Results of Feasibility Analysis

Cost Issues

- **Need identified for the following two new corridors in Pinal County by 2030**
 - **US 60 Reroute:**
 - \$ 2 M for design and environmental studies
 - \$ 300 M for ROW and construction
 - **Corridor connecting Loop 202 and SR 79 or SR 287:**
 - \$ 1 B for ROW and construction in Pinal County
 - **Upgrade of existing state routes to four lane access-managed facilities**
 - Estimated cost of widening to meet 2030 needs > \$600 M
- **No funds have been programmed for construction of these corridors**

Key Considerations

- **Continuing coordination and cooperation are needed to create an integrated regional transportation system**
 - **Development of State Trust land is a key variable in the definition of the regional transportation system**
 - **Mature city/town/county arterial system is essential**
 - **Roles for ADOT, ASLD, Pinal County, CAAG, MAG, local jurisdictions, private sector**
- **Existing state highway system targeted for potential widening and access management**
 - **Improvements to be defined by Regional Transportation Profile and State Access Management Plan**

Recommendations

- In compliance with legislative requirements, action by the State Transportation Board is requested on the following recommendations:

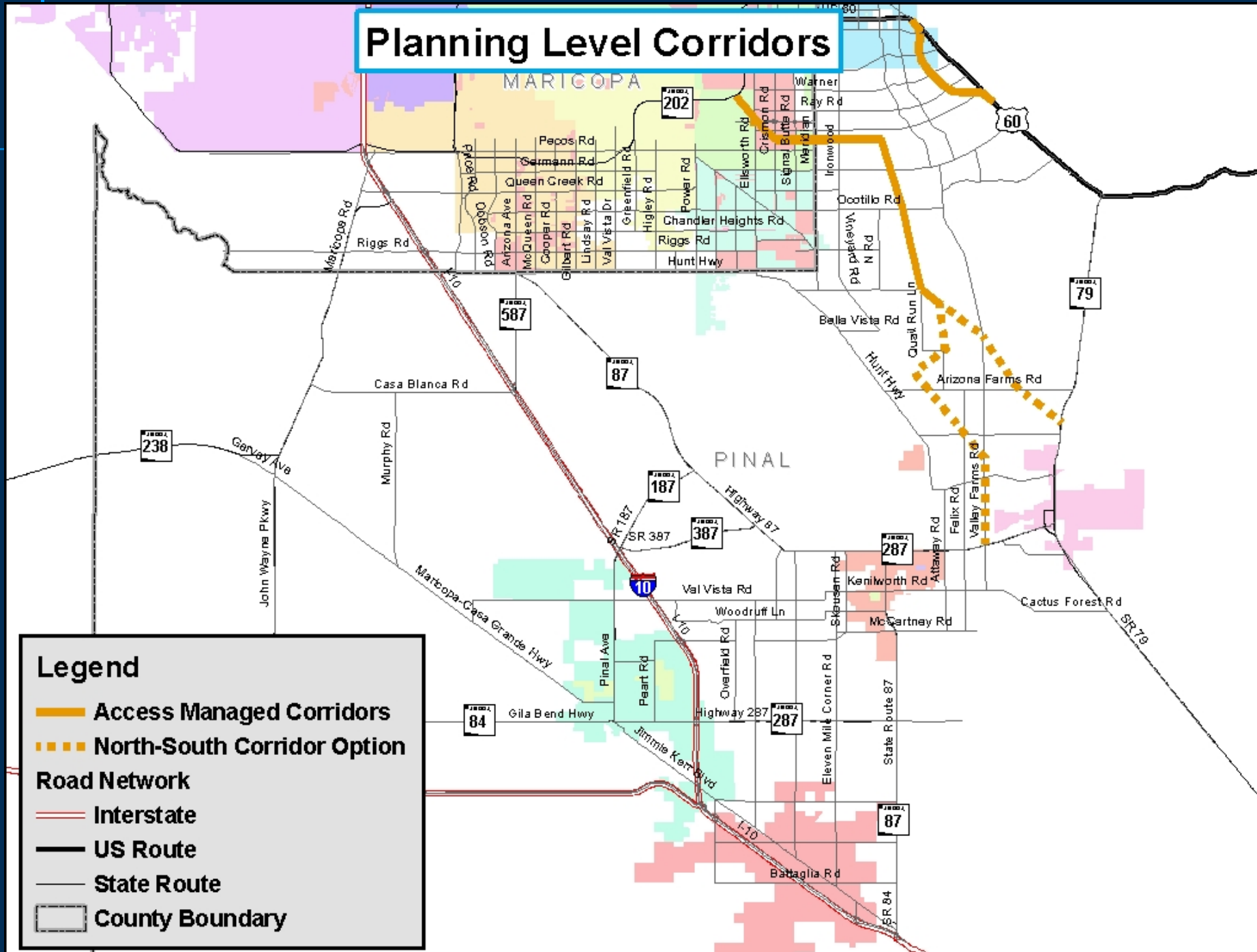
1. SEMNPTS corridors further defined:

- US 60 reroute: Need anticipated by 2030; preliminary engineering and alignment studies are programmed for FY 2006
- Corridor connecting Loop 202 and either SR 79 or SR 287: Need anticipated by 2030; further study warranted
- Limited access corridor north-south between US 60 and Williams Gateway corridor: Need anticipated by 2030; further study warranted
- Build-out corridors: Need anticipated beyond 2030; identified at general planning level; further study warranted

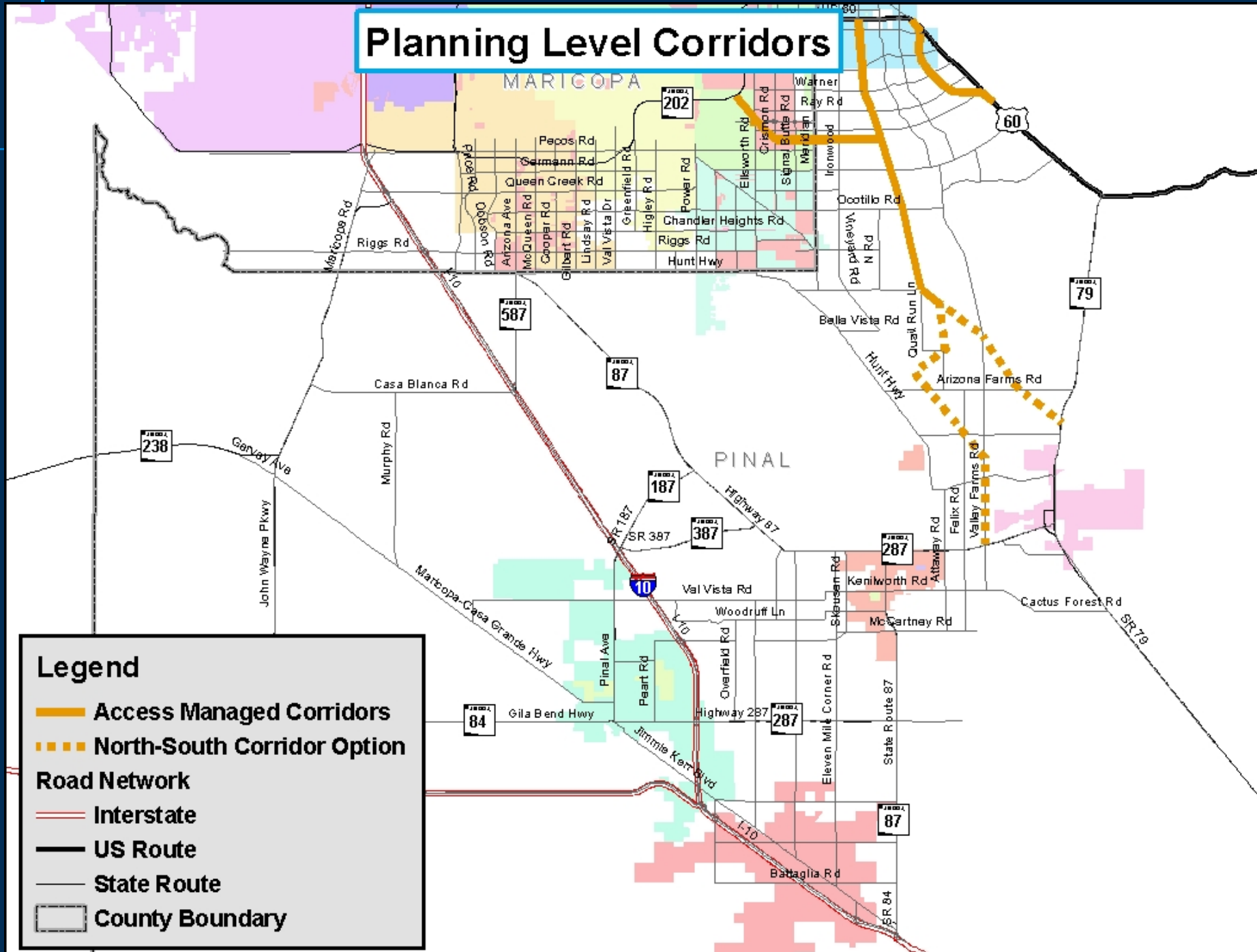
Recommendations (continued)

2. Amend the MoveAZ Long-Range Transportation Plan to incorporate the above recommendations developed by the Corridor Definition Studies. No new corridors recommended as state routes or state highways.

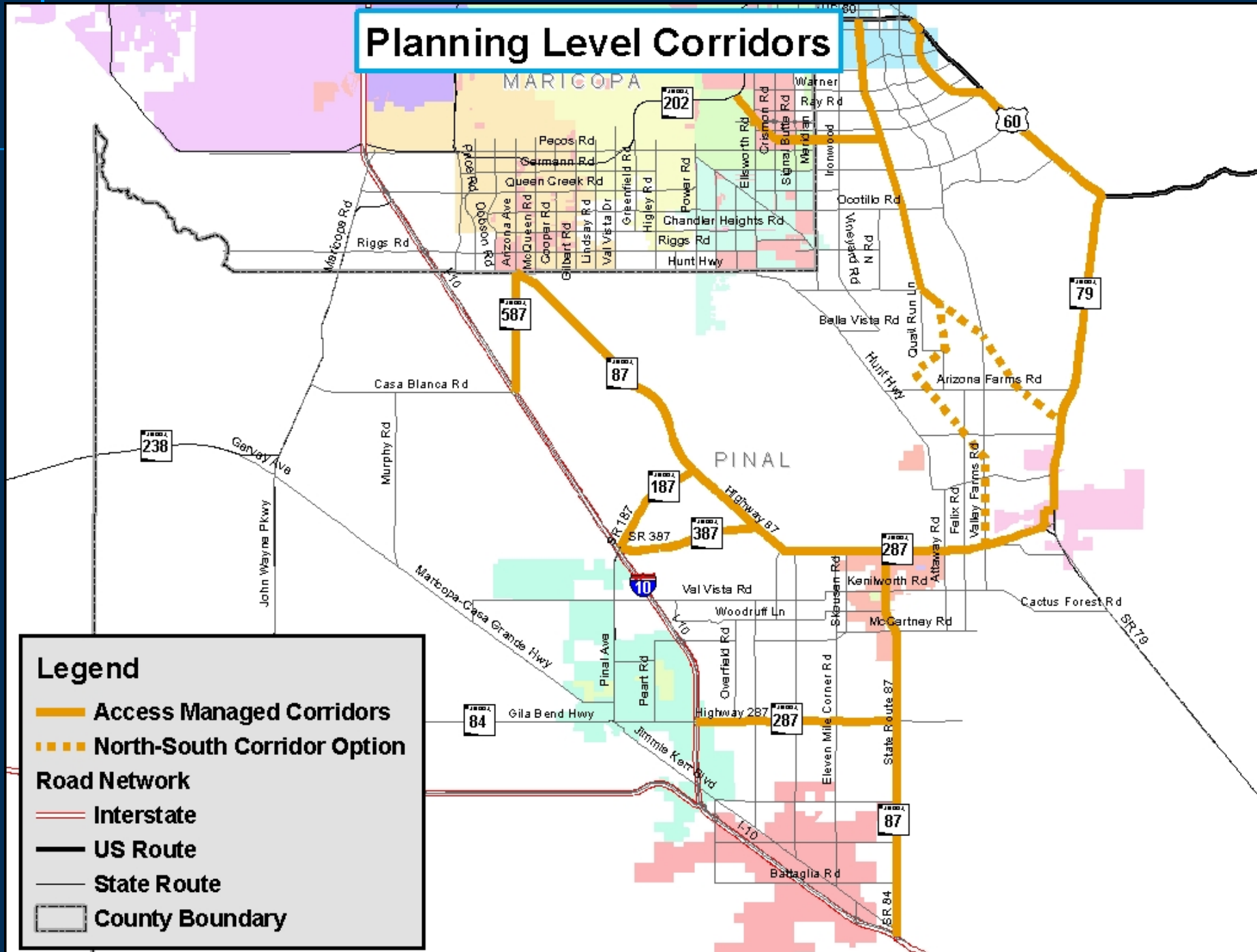
Planning Level Corridors



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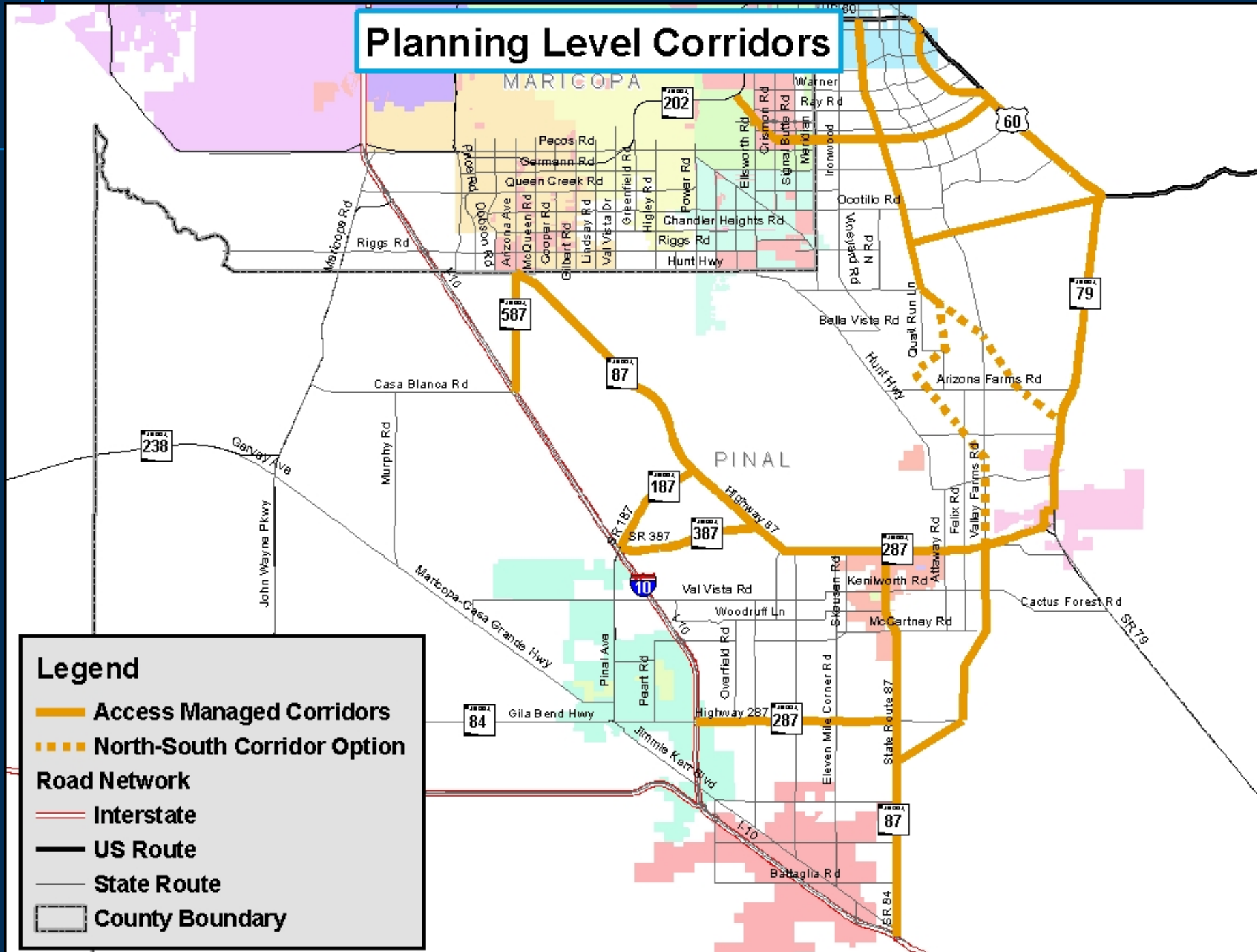
Legend

- Access Managed Corridors
- North-South Corridor Option

Road Network

- Interstate
- US Route
- State Route
- County Boundary

Planning Level Corridors



- **October 21: State Transportation Board Meeting**
 - **A formal resolution will be presented to the Board, requesting adoption of the recommendations developed by the US 60 Corridor Definition Study, Pinal County Corridors Definition Study, and Williams Gateway Corridor Definition Study**